



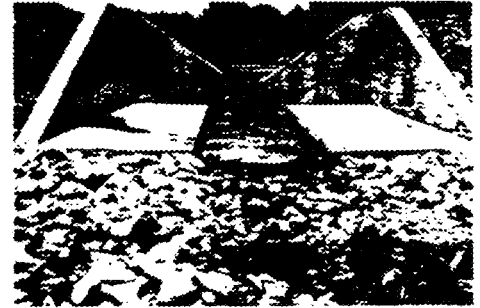
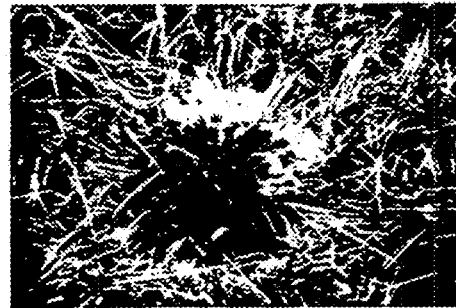
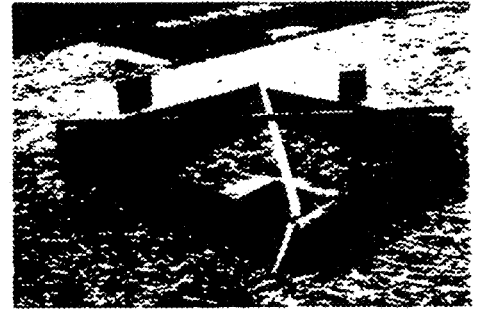
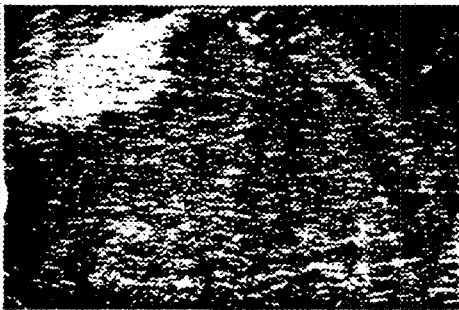
AND MANAGEMENT & WATER QUALITY

KENTUCKY

BEST MANAGEMENT PRACTICES

FOR

CONSTRUCTION ACTIVITIES



Prepared by:

*Division of Conservation and
Division of Water, Natural
Resources and Environmental
Protection Cabinet*

Planning of Best Management Practices (BMPs), such as those shown on the cover address soil, surface water, and groundwater concerns. Installation of combinations of planned BMPs produce a total resource management system. Cover photos were provided by the Boone, Fayette, Jefferson, Kenton and Madison County Conservation Districts.

KENTUCKY
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AUGUST 1994

Prepared by
Kentucky Division of Conservation
and
Division of Water

FOREWORD

The Federal Clean Water Act Amendments of 1987, Section 319(h), required states to develop a Nonpoint Source (NPS) Assessment Report and comprehensive Management Plan for maintaining and improving water quality throughout the nation. The focus of Section 319 was to address pollution from nonpoint source which is defined by U.S. Environmental Protection Agency (EPA) as "any pollutant whose specified point of generation cannot be traced to any discrete, identifiable facility and whose exact point of entry into a water course cannot be defined." The U.S. EPA then directed states to develop programs for promoting and implementing "best management practices" (BMPs). These are conservation practices, structural and management, or combinations that each state has determined to be the most effective and practicable means of reducing nonpoint sources of pollution.

Information and assistance in planning and installing construction BMPs is available locally from the county conservation districts, the offices of the Soil Conservation Service, Cooperative Extension Service and other state and federal agencies.

This Best Management Practices Manual for Construction Activities is one part of a statewide effort to address construction-related nonpoint source pollution. Other state agencies have developed or updated similar handbooks and educational programs in the areas of forestry, agriculture, and mining.

This document is part of an overall education program that is being carried out by the Kentucky Natural Resources and Environmental Protection Cabinet. The Kentucky Division of Conservation in cooperation with the U.S. Department of Agriculture Soil Conservation Service, and the Kentucky Division of Water prepared this manual. It provides guidance for implementing conservation practices (BMPs) on construction sites - and encourages voluntary acceptance - in order to improve the Commonwealth's surface and groundwater resources.

While this manual is directed primarily to contractors, homebuilders and developers, it may also be useful to planners, local politicians and other interest groups who play major roles in protecting and utilizing the state's soil and water resources. It also serves as Soil Conservation Services, water management and sediment control manual for urbanizing areas.

ACKNOWLEDGEMENTS

Many best management practices (BMPs) in this document have been adapted from published reports of other states that have similar water management and erosion problems and solutions. Other portions were developed in cooperation with the U.S. Soil Conservation Service, the Kentucky Department of Transportation, and the Division of Water.

Kentucky's original Construction BMP Manual borrowed heavily from the 1980 Virginia Erosion and Control Handbook produced by the Virginia Soil and Water Conservation Commission and from the Urban Best Management Practices Handbook produced by the Virginia State Water Control Board. This updated manual considers other state and agency experiences with construction activities. Considerations include EPA's Stormwater Management for Construction Activities; Mississippi's Department of Environmental Quality and State Soil and Water Conservation Commission's Planning and Design Manual for the Control of Erosion, Sediment, and Stormwater; and Ohio and Mississippi's USDA Soil Conservation Service efforts in working with state and local agencies and governments in water management and sediment control for urbanizing and construction area.

Many authorities in the field of soil and water conservation, construction activities, and water management and sediment control for urbanizing areas provided expert knowledge and constructive comments. The following individuals and groups from the task force were especially helpful in guiding development of the manual:

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A complete list of references and works cited may be found preceding the appendices.

Finally, we thank the numerous other agencies and individuals who expended their time and expertise toward the successful completion of this document.

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